



NOTES:

1. Grates are to be made of cast iron with a natural finish.
2. Castings will be 3/4-inch thick in 4 pieces.
3. The center opening shall be 16-inch diameter with a breakout at 23½-inches.
4. Slotted penetrations shall be no greater than 3/8-inch wide.
5. An 18-inch deep root barrier shall be placed at both sides and along sidewalk face.
6. Provide two, 3-inch diameter ADS perforated pipe watering troughs filled with pea gravel.
7. Do not undermine curb or sidewalk when excavating.
8. ADA clearance shall be 4 feet as shown, unless otherwise permitted by the City Engineer pursuant to a design modification under Section 160 of the *Engineering Design Manual*.



City Of Beaverton

ENGINEERING DEPARTMENT

CITY ENGINEER
Terry Waldele, P.E.

DATE
6 - 10 - 04

CURB TIGHT SIDEWALK TREEWELL WITH GRATE

DRAWN BY
JR - CPD

DRAWING NO.
241